



# Product Evaluation

WIN2225 | 0617

Engineering Services Program

*The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).*

*This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.*

*This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.*

*For more information, contact TDI Engineering Services Program at (800) 248-6032.*

**Evaluation ID:** WIN-2225

**Effective Date:**

June 1, 2017

**Re-evaluation Date:**

April 2018

**Product Name:** Series PW-8300 Vinyl Picture/Fixed Window, Impact Resistant

**Manufacturer:** Custom Window Systems, Inc.  
1900 SW 44th Ave.  
Ocala, FL 34474  
(352)368-6922

## General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series PW-8300 PVC Picture Window Fin/Flange	R-PG55 36x72-FW Missile Level D	+/-55 psf
2	Series PW-8300 PVC Picture Window Fin/Flange	R-PG50 48x60-FW Missile Level D	+/-50 psf
3	Series PW-8300 PVC Picture Window Fin/Flange	FW-HC55 48x72 Missile Level D	+/-55 psf
4	Series PW-8300 PVC Picture Window Fin/Flange	FW-HC65 72x76 Missile Level D	+/-67.5 psf
5	Series PW-8300 PVC Picture Window Fin/Flange	LC-PG65 72x76-FW Missile Level D	+/-65 psf
6	Series PW-8300 PVC Picture Window Flange	FW-R70 120x48 Missile Level D	+/-70 psf

**Product Dimensions:**

System	Overall Size	Fixed Daylight Opening
1	36" x 72"	33-1/8" x 69-1/8"
2	48" x 60"	45-1/8" x 57-1/8"
3	48" x 72"	45-1/8" x 69-1/8"
4	72" x 76"	69-1/8" x 73-1/8"
5	72" x 76"	69-1/8" x 73-1/8"
6	120" x 48"	117-1/8" x 45-1/8"

**Product Identification (Certification Label on Window):**

System		
1	Certification Agency	Keystone
	Manufacturer or Code Name	CAR 138-1094 Air/Water/Structural / CAR 138-535 Impact CAR 138-1318 Air/Water/Structural / CAR 138-540 Impact
	Product Name	8300 PVC Fin/Flange Frame Impact Fixed
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08, ASTM E 1886-05, ASTM E-1996-05/09, Missile Level D
2	Certification Agency	Keystone
	Manufacturer or Code Name	CAR 138-1317 Air/Water/Structural / CAR 138-539 Impact
	Product Name	8300 PVC Impact Fin/Flange Frame Fixed
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08, ASTM E 1886-05, ASTM E-1996-05/09, Missile Level D
3	Certification Agency	Keystone
	Manufacturer or Code Name	CAR 138-730 Air/Water/Structural / CAR 138-274 Impact
	Product Name	8300 PVC Fin/Flange Frame Impact Fixed
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05, ASTM E 1886-05, ASTM E-1996-05, Missile Level D
4	Certification Agency	Keystone
	Manufacturer or Code Name	CAR 138-457 Air/Water/Structural / CAR 138-250 Impact
	Product Name	8300 Vinyl Impact Fixed
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05, ASTM E 1886-05, ASTM E-1996-05, Missile Level D
5	Certification Agency	Keystone
	Manufacturer or Code Name	CAR 138-1093 Air/Water/Structural / CAR 138-534 Impact
	Product Name	8300 PVC Fin/Flange Frame Impact Fixed
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08, ASTM E 1886-05, ASTM E-1996-05/09, Missile Level D
6	Certification Agency	Keystone
	Manufacturer or Code Name	CAR 138-482 Air/Water/Structural / CAR 138-258 Impact
	Product Name	8300 Vinyl Flange Frame Impact Fixed
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05, ASTM E 1886-02, ASTM E-1996-02, Missile Level D

**Impact Resistance:**

System	Impact Resistant	Requirement
1-6	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

**Acceptance of Smaller Assemblies:** Window assemblies with dimensions equal to or smaller than those specified are acceptable with the limitations specified in this report.

**Installation:**

System	Impact Resistant	Requirement
1-6	Type of Installation	Install the windows in accordance with Custom Window Systems drawings No.: <b>TDI-159</b> Sheets 1 through 8 of 8. <b>TDI-373</b> Sheets 1 through 6 of 6. <b>TDI-1033</b> Sheets 1 through 6 of 6. Drawing dated November 12, 2015, signed, sealed on September 29, 2016 by Lucas A. Turner, P.E.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	

**Note:** Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.